

DPM 499

U.S. DEPARTMENT OF LABOR
Occupational Safety and Health Administration

Form Approved
OMB No. 44-R1387

MATERIAL SAFETY DATA SHEET

Required under USDL Safety and Health Regulations for Ship Repairing,
Shipbuilding, and Shipbreaking (29 CFR 1915, 1916, 1917)

AUGUST 1980

SECTION I

MANUFACTURER'S NAME KOPPERS CO., INC. <i>Koppers Bldg.</i>		EMERGENCY TELEPHONE NO. 412-227-2000
ADDRESS (Number, Street, City, State, and ZIP Code) Pittsburgh, PA 15219		<i>Koppers = Commerce # 213 (560-5700)</i>
CHEMICAL NAME AND SYNONYMS Phenolic China Wood Oil Varnish	TRADE NAME AND SYNONYMS Varnish Moisture & Fungus Resistant	
CHEMICAL FAMILY Phenolic	FORMULA MIL-V-173C (V-112C-66)	

SECTION II - HAZARDOUS INGREDIENTS

PAINTS, PRESERVATIVES, & SOLVENTS	%	TLV (Units)	ALLOYS AND METALLIC COATINGS	TLV (Units)
PIGMENTS			BASE METAL	
CATALYST			ALLOYS	
VEHICLE Para Phenyl Phenol-Tung Oil		N/A	METALLIC COATINGS	
SOLVENTS * see below			FILLER METAL PLUS COATING OR CORE FLUX	
ADDITIVES			OTHERS	
OTHERS				

HAZARDOUS MIXTURES OF OTHER LIQUIDS, SOLIDS, OR GASES		TLV (Units)
* Butyl Acetate		150PPM
Methyl Cellosolve		25PPM
Mineral Spirits		130PPM

SECTION III - PHYSICAL DATA

		Wt/Gal
BOILING POINT (°F.)		8.0
VAPOR PRESSURE (mm Hg.)		48
VAPOR DENSITY (AIR=1)	Heavier	Moderately Slow
SOLUBILITY IN WATER	Slightly	
APPEARANCE AND ODOR Amber liquid with characteristic lacquer like odor.		

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

FLASH POINT (Method used)	78 F TCC	FLAMMABLE LIMITS	Lel	Uel
EXTINGUISHING MEDIA Water fog, foam, dry chemical or CO ₂ .				
SPECIAL FIRE FIGHTING PROCEDURES Use Air supplied equipment for enclosed areas, cool exposed container with water.				
ORIGINAL FIRE AND EXPLOSION HAZARDS Keep away from heat, sparks and flame.				

SECTION V - HEALTH HAZARD DATA

THRESHOLD LIMIT VALUE

25 PPM from solvent vapor.

EFFECTS OF OVEREXPOSURE Systemic toxic effects may also result from skin absorption. Irritation to eyes, nose and throat near or above 25 PPM from vapors. Higher concentrations cause drowsiness, dizziness, followed by coma. Dangerously high concentrations could cause death from explosion or from breathing.

EMERGENCY AND FIRST AID PROCEDURES

If inhaled remove to fresh air. If not breathing give artificial respiration, preferably mouth to mouth. Call a physician. In case of skin contact, wash thoroughly with soap and water; for eyes, flush immediately with plenty of water for 15 minutes and contact a physician. Wash contaminated clothing before reuse. If swallowed, CALL A PHYSICIAN IMMEDIATELY. DO NOT induce vomiting.

SECTION VI - REACTIVITY DATA

STABILITY

UNSTABLE

CONDITIONS TO AVOID

STABLE

X

INCOMPATIBILITY (Materials to avoid)

HAZARDOUS DECOMPOSITION PRODUCTS

HAZARDOUS
POLYMERIZATION

MAY OCCUR

CONDITIONS TO AVOID

WILL NOT OCCUR

X

SECTION VII - SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED

Remove all sources of ignition (flame, electrical, static or frictional sparks; hot surfaces, etc.). Avoid breathing vapors. Ventilate area. Contain and scoop up spill with non-sparking tools, rags, etc. Use inert absorbent materials on small spills or on residuals of large spills.

WASTE DISPOSAL METHOD

Dispose of in accordance with local applicable regulations.

SECTION VIII - SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION (Specify type) Organic vapor canister where oxygen content is adequate and vapor concentration is less than 2% or use air supplied face masks.

VENTILATION

LOCAL EXHAUST

X

SPECIAL

MECHANICAL (General)

X

OTHER

PROTECTIVE GLOVES

Rubber Gloves

EYE PROTECTION

Goggles

OTHER PROTECTIVE EQUIPMENT

SECTION IX - SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING

Keep containers closed and upright to prevent leakage. Avoid flames, welding, smoking, sparks, open lights, etc. Avoid breathing of vapor or spray mist. Avoid eye and skin contact.

OTHER PRECAUTIONS

Maintain good personal hygiene. Do not use in confined areas, tank or pit without adequate ventilation.